Docket No.

240733US0

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Shushi IKEDA, et al.

SERIAL NO: New Application

GAU:

FILED:

Herewith

**EXAMINER:** 

FOR:

STEEL SHEET WITH EXCELLENT BENDABILITY

## **INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR

Applicant(s) wish to disclose the following information.

#### REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- A check is attached in the amount required under 37 CFR §1.17(p).

#### RELATED CASES

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

#### **CERTIFICATION**

- Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- □ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

## **DEPOSIT ACCOUNT**

Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO.		SERIAL NO.		
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# STATEMENT OF RELEVANCY

# Reference AO (60-43425) of Form PTO-1449:

This reference is discussed in the specification.

PURPOSE:To obtain a composite structure steel sheet having excellent ductility and workability and high strength by hot rolling a specifically composed C-Si- Mn steel at a specified finishing temp. and controlling cooling and coiling temp. thereby optimizing the structure.

CONSTITUTION:A steel consisting of 0.30-0.65wt% C, 0.7-2.0% Si, 0.5-2.0% Mn and the balance Fe with inevitable impurities is hot rolled at the finishing temperature specified to Ar3-Ar3+50 deg.C. Such steel sheet is held for 4-20sec in a 450-650 deg.C range and is coiled at <=350 deg.C. The final structure consisting, by volume fraction, of >=10% ferrite, >=10% austenite and the balance bainite or martensite is obtained by such temp. control. The hot rolled composite structure steel sheet having high strength and high workability is obtained. by the above- mentioned method without requiring any special alloy element.